

XP-002156178

AN - 1995-119777 [16]

AP - JP19930207289 19930729

CPY - TOXP

DC - A85 P73 X12

FS - CPI;GMPI;EPI

IC - B32B5/18 ; B32B7/02 ; B32B27/06 ; B32B27/20 ; C08J9/28 ; H01B7/28

MC - A08-R01 A11-B05 A12-A01 A12-H08

- X12-D03D X12-D05

PA - (TOXP) TOYO CHEM CORP

PN - JP7045132 A 19950214 DW199516 H01B7/28 005pp

PR - JP19930207289 19930729

XA - C1995-055165

XIC - B32B-005/18 ; B32B-007/02 ; B32B-027/06 ; B32B-027/20 ; C08J-009/28 ;
H01B-007/28

XP - N1995-094271

AB - J07045132 The tape comprises coating layer consisting of porous material, the surface and inside being mutually connected through continuous pores. The coating layer is formed by applying mixt., made of 100 pts. wt. water-soluble resin, 300-3000 pts. wt. water-absorbing resin, 230-150 pts. wt. inorganic material powder and 200-2000 pts. wt. solvent, on one surface or both surfaces of supporting material, then drying the applied mixt.

- The inorganic material powder pref. comprises one of or mixt. of carbonate, sulphate, metal oxide, silicic acid and silicate.

- In an example, 100 pts. wt. of acrylic resin (water-soluble resin) (TRM-SK dyne 1191 supplied by Soken Kagaku KK), 1000 pts. wt. polyacrylic acid salt (water-absorbing resin) (RTM - Aqualic SC supplied by Nippon Shokubai KK), 300 pts. wt. methyl alcohol and 20 pts. wt. of calcium carbonate powder were mixed. The mixt. was applied on one surface of polyester spun bonded unwoven cloth, then dried at 1230 deg. C to prepare the tape of 300 microns in thickness and 30 cm in width.

- **USE/ADVANTAGE** - The tape is used for prevention of water penetration towards longitudinal direction or inside direction of the power cable or the cable for communication. Water absorbing rate of the water-stopping tape was improved avoiding peeling-off of water absorbing resin.

- (Dwg.1/3)

**IW - WATER STOP TAPE NO PEEL WATER ABSORB RESIN COMPRISE COATING LAYER
POROUS PROPERTIES CONTAIN WATER SOLUBLE WATER ABSORB RESIN SOLVENT
INORGANIC POWDER SILICATE**

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NC - 001

OPD - 1993-07-29

ORD - 1995-02-14

PAW - (TOXP) TOYO CHEM CORP

**TI - Water-stopping tape with no peeling off of water absorbing resin -
comprising coating layer with porous properties contg. water-soluble
and water-absorbing resins, solvent and inorganic powder e.g. silicate**

A01 - [001] 017 ; P0839-R F41 D01 D63 ; S9999 S1183 S1161 S1070 ; S9999 S1650 S1649 ;
 - [002] 017 ; ND01 ; N9999 N7147 N7034 N7023 ; K9687 K9676 ; K9574 K9483 ; Q9999 Q7330-R ; Q9999 Q9018 ; B9999 B5301 B5298 B5276 ; B9999 B5243-R B4740 ;
 - [003] 017 ; N9999 N7090 N7034 N7023 ; B9999 B5447 B5414 B5403 B5276 ; B9999 B5221 B4740 ;
 - [004] 017 ; D00 D63 F44 F60 F80 ; A999 A237 ; S9999 S1514 S1456 ;
 - [005] 017 ; D00 F20 Gm O- 6A ; A999 A237 ; S9999 S1514 S1456 ;
 - [006] 017 ; R01542 D00 D60 H- O- 6A Si 4A ; R01278 D00 F44 C- 4A O- 6A Ca 2A ; A999 A237 ; S9999 S1514 S1456 ;
 - [007] 017 ; R00270 D01 D11 D10 D50 D81 F27 F26 ; A999 A475 ;
 A02 - [001] 017 ; P0088-R ;
 - [002] 017 ; ND01 ; N9999 N7147 N7034 N7023 ; K9687 K9676 ; K9574 K9483 ; Q9999 Q7330-R ; Q9999 Q9018 ; B9999 B5301 B5298 B5276 ; B9999 B5243-R B4740 ;
 - [003] 017 ; B9999 B3521 B3510 B3372 ;
 - [004] 017 ; K9449 ; N9999 N6780-R N6655 ; K9518 K9483 ; K9745-R ;
 - [005] 017 ; D00 D63 F44 F60 F80 ; A999 A237 ; S9999 S1514 S1456 ;
 - [006] 017 ; D00 F20 Gm O- 6A ; A999 A237 ; S9999 S1514 S1456 ;
 - [007] 017 ; R01542 D00 D60 H- O- 6A Si 4A ; R01278 D00 F44 C- 4A O- 6A Ca 2A ; A999 A237 ; S9999 S1514 S1456 ;
 - [008] 017 ; R00270 D01 D11 D10 D50 D81 F27 F26 ; A999 A475 ;
 A03 - [001] 017 ; G0282-R G0271 G0260 G0022 D01 D12 D10 D51 D53 D58 D83 F36 F35 D61-R ; H0000 ; H0011-R ; P0088 ;
 - [002] 017 ; ND01 ; N9999 N7147 N7034 N7023 ; K9687 K9676 ; K9574 K9483 ; Q9999 Q7330-R ; Q9999 Q9018 ; B9999 B5301 B5298 B5276 ; B9999 B5243-R B4740 ;
 - [003] 017 ; B9999 B3407 B3383 B3372 ;
 - [004] 017 ; K9449 ; N9999 N6780-R N6655 ; K9518 K9483 ; K9745-R ;